

dimensional computer model of the subject object relative to the stored calibration pattern using the calculated positions and orientations;

means for selecting data defining a recorded image in dependence upon the stored calibration pattern; and

means for displaying an image in dependence upon the selected image data.

59. Apparatus for generating data defining a three-dimensional computer model of a subject object and data defining an image to show a predetermined part of the subject object, comprising:

means for receiving image data defining images of a subject object together with a calibration pattern recorded at different relative recording positions and orientations, the subject object being positioned relative to the calibration pattern so that a selected part of the subject object which is to appear in an image is in a predetermined direction relative to the calibration pattern;

means for processing the image data to calculate the relative positions and orientations at which the images were recorded by comparing the calibration pattern in the images with stored data defining the calibration pattern;

means for generating data defining a three-

dimensional computer model of the subject object relative to the stored calibration pattern using the calculated positions and orientations; and

means for generating data defining an image of the selected part of the subject object in dependence upon the stored calibration pattern and the received image data.

60. Apparatus for generating data defining an image of a predetermined part of a subject object, comprising:

means for receiving image data defining images of the subject object together with a calibration pattern recorded at different relative recording positions and orientations, the subject object being positioned relative to the calibration pattern so that a selected part of the subject object which is to appear in an image faces in a predetermined direction relative to the calibration pattern;

means for processing the image data to calculate the relative positions and orientations at which the images were recorded by comparing the calibration pattern in the images with stored data defining the calibration pattern; and

means for generating data defining an image of the selected part of the subject object in dependence upon

the stored calibration pattern and the received image data.

61. Apparatus for processing data defining a three-dimensional computer model, comprising:

means for receiving data defining a three-dimensional computer model and data defining at least one of a position and a direction relative to the three-dimensional computer model; and

means for positioning the three-dimensional computer model relative to a predefined virtual viewing camera in dependence upon the defined position or direction.

62. Apparatus for processing data defining a three-dimensional computer model, comprising:

means for receiving data defining a three-dimensional computer model and data defining at least one of a position and a direction relative to the three-dimensional computer model; and

means for generating data defining a virtual viewing camera relative to the three-dimensional computer model in dependence upon the defined position or direction.

63. A storage device storing instructions for causing a programmable processing apparatus to become operable